



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named  
Inventor : Kevin I. Bertness

Appln. No.: 10/046,659

Filed : October 29, 2001

For : ENERGY MANAGEMENT SYSTEM FOR  
AUTOMOTIVE VEHICLE

Docket No.: C382.12-0105

Group Art Unit: 2838

Examiner:

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ORIGINALLY FILED

THIRD PRELIMINARY AMENDMENT

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
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ASSISTANT COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231, THIS

21 DAY OF August 2002

PATENT ATTORNEY

Sir:

Prior to the first Official Action, it is respectfully  
requested that the following amendment be made.

IN THE CLAIMS

Please cancel claim 1 and add claims 17-81 as follows:

17. (New) An apparatus for monitoring charging of a storage  
battery in a vehicle, comprising:

an electrical connection to an electrical system of the  
vehicle, the electrical system including an  
alternator to charge the battery; and

a microprocessor coupled to the electrical connection  
and configured to measure a condition of the  
battery, a charge applied to the battery, and a  
drive cycle of the vehicle and responsively  
provide an output related to the battery  
condition, charge applied to the battery and the  
drive cycle.

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01 FC:2202 63.00 CH

Adjustment date: 10/26/2003 SDIRETA1  
03/27/2003 DEVANS 00000004 231123 10046659  
01 FC:2202 207.00 CR  
02 FC:2201 210.00 CR

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01 FC:2202 207.00 CH  
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